Electronic Patent Application Fee Transmittal							
Application Number:	10644748						
Filing Date:	21-Aug-2003						
Title of Invention:	REVERSE CIRCULATION DIRECTIONAL AND HORIZONTAL DRILLING USING CONCENTRIC DRILL STRING						
First Named Inventor/Applicant Name:	Ja	James I. Livingstone					
Filer:	Roseann B. Caldwell/Ismat Rajan						
Attorney Docket Number:	52502-16						
Filed as Large Entity							
Utility Filing Fees							
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)		
Basic Filing:							
Pages:							
Claims:							
Miscellaneous-Filing:							
Petition:							
Patent-Appeals-and-Interference:							
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Utility Appl issue fee		1501	1	1400	1400		
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